

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Utility Application of:
Raul Bosco et al.

Application No.: 10/597,469

Confirmation No.: 1604

Filed: September 12, 2006

Art Unit: 3746

For: SUCTION SYSTEM FOR A REFRIGERATION
COMPRESSOR

Examiner: P. Hamo

AMENDMENT IN RESPONSE TO NON-FINAL OFFICE ACTION UNDER 37 C.F.R.
1.111

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INTRODUCTORY COMMENTS

In response to the Office Action dated October 25, 2010, please amend the above-identified U.S. patent application as follows:

Amendments to the Abstract begin on page 3 of this paper.

Amendments to the Claims are reflected in the listing of claims which begins on page 4 of this paper.

Amendments to the Drawings begin on page 7 of this paper and include an attached replacement sheet.

Remarks/Arguments begin on page 8 of this paper.

AMENDMENTS TO THE ABSTRACT

Please substitute the following paragraph(s) for the abstract now appearing in the currently filed specification:

A suction system for a refrigerator compressor includes a suction muffler with an outlet tube mounted to a valve plate and a cylinder head having a reinforced portion in the area of the valve plate and the outlet tube.

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A suction system for a refrigeration compressor of the type which comprises

a cylinder;

a valve plate which is provided with at least two suction orifices, each selectively closed by a suction valve, and which closes a cylinder end;

a cylinder head mounted against a face of the valve plate opposite to that closing the cylinder and which defines a discharge chamber occupying part of said cylinder head and partially contouring the suction orifices; and

a suction muffler comprising a hollow body having an outlet tube projecting from within said suction muffler and outwardly to present a free end seated on the valve plate,

~~a wall portion separate from said cylinder head for reinforcing said cylinder head in the area of said valve plate;~~

said cylinder head being provided, externally to the discharge chamber, with a reinforcing wall portion,

wherein the free end of the outlet tube is provided with two tubular projections which are parallel to each other, each being coaxially aligned with and seated against a respective one of the suction orifices of the valve plate and in that the reinforcing wall portion has an extension, which is at least part of its extension spaced from the outlet tube and has two openings which are parallel to each other, so that each receives a tubular projection of the outlet tube, said openings having their contour seated against the valve plate.

2. (Canceled)

3. (Previously Presented) The system as set forth in claim 2, wherein the reinforcing wall portion maintains the outlet tube seated on the valve plate.

4. (Previously Presented) The system as set forth in claim 3, wherein the reinforcing wall portion is trespassed by the outlet tube.

5. (Previously Presented) The system as set forth in claim 3, wherein the reinforcing wall portion is seated against the valve plate.

6. (Previously Presented) The system as set forth in claim 5, wherein the reinforcing wall portion occupies the area of the cylinder head external to the discharge chamber.

7. (Previously Presented) The system as set forth in claim 6, wherein the reinforcing wall portion is medianly opened so as to surround and retain the free end of the outlet tube.

8. (Previously Presented) The system as set forth in claim 1, wherein the free end of the outlet tube is fitted into an interior of at least part of an extension of a respective suction orifice in the valve plate.

9. (Canceled)

10. (Canceled)

11. (Previously Presented) The system as set forth in claim 1, comprising a fixation element constantly forcing the cylinder head against the valve plate.

AMENDMENTS TO THE DRAWINGS

The attached sheets of drawings replace all existing drawings.

REMARKS

The indefiniteness set forth by the Examiner with respect to claim 1 has been cured.

A new abstract is provided herewith.

New drawings have been provided.

This application with claims 1, 3-8 and 11 is now in condition for allowance.

Dated: January 25, 2011

Respectfully submitted,

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